Installing SigC5561 PCI Card into Intel 1U Chassis

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Signalogic, Inc.
9617 Wendell @ Skillman
Dallas, TX 75243
Tel: 214-349-5551
Fax: 214-343-0163

http://www.signalogic.com
tech_support@signalogic.com

Required Components

1) CAT6 F/F shielded coupler female-to-female keystone RJ-45 (snap-in) part# UTP-7205S. Can be obtained at Fry's Electronics.

Fig. 1

2) 1' (approx 30 cm) CAT6 coupling cable. Also available at Fry's Electronics.

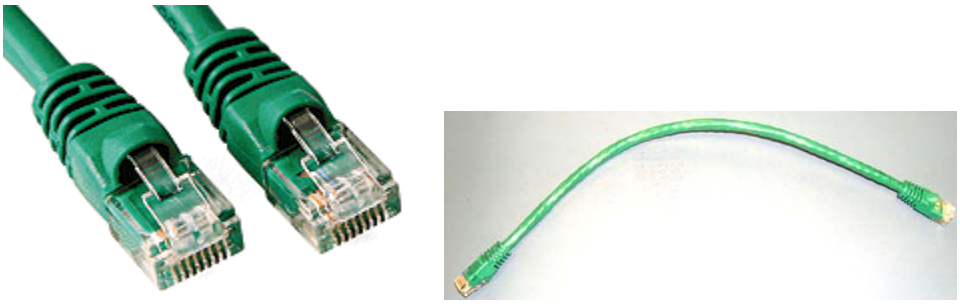

Fig. 2

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1) Remove the PCI riser card from the Intel chassis mother board. Install the SigC5561 card into the riser card, and set to the side, as shown in the Fig. 3 below. Follow the standard SigC5561 Reference Guide for instructions and step-by-step procedure for installing the the SigC5561 PCI card into a standard PCI slot. Also reference the Intel Chassis manual for removing the 1U chassis lid (top) and removing the riser card.

2) Before re-installing the PCI riser card edge connector into the motherboard PCI slot, connect the CAT6 coupling cable into the GbE RJ-45 connector on the SigC5561 card, as shown in Fig. 3 below.

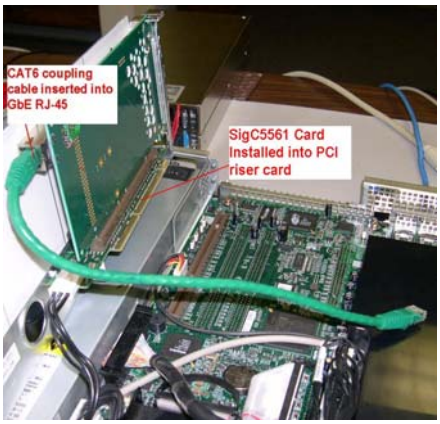

Fig. 3

3) Cut backpanel grillwork along red lines as shown in Fig 4a below. File cut edges to remove burrs. Slightly more filing is needed on top and bottom horizontal edges of the cutout, as RJ-45 coupler is not completely square in shape.

NOTE: Simultaneously use a hose vacuum while filing to avoid any metal shavings landing on a motherboard.

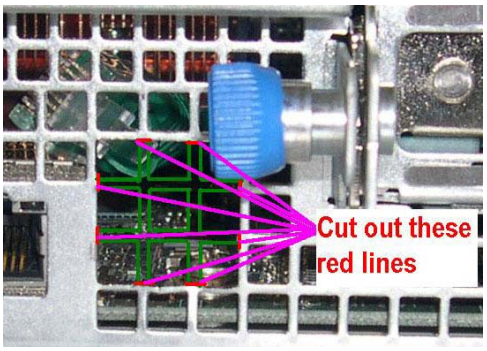

Fig. 4a

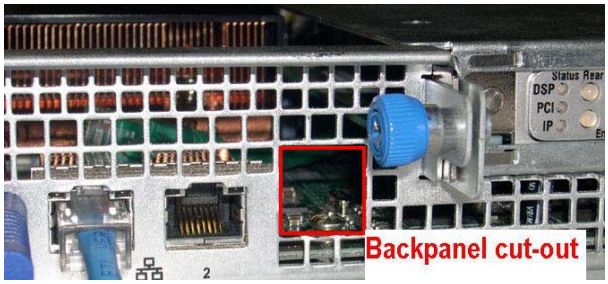

Fig. 4b

4) Clip and trim metal “bump” on RJ-45 coupler, as shown in Fig 5.

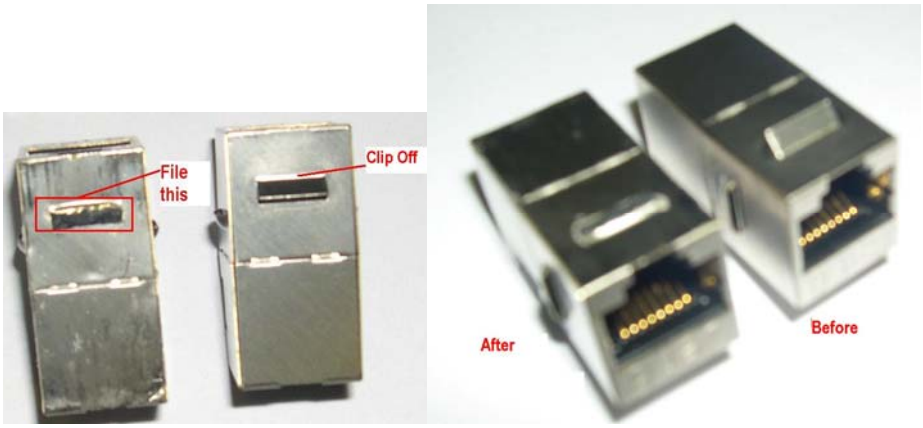

Fig. 5

5) Cut both sides of metal tab on RJ-45 coupler, as shown in Fig 6.

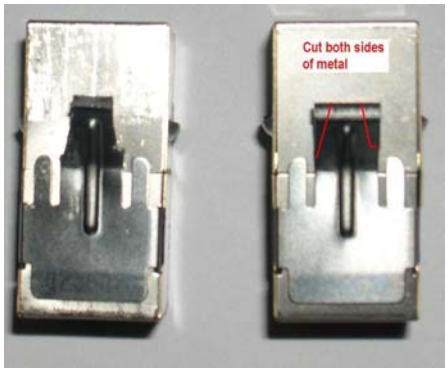

Fig. 6

6) Bend out metal tab on top of RJ-45 coupler as shown in Fig 7 below.

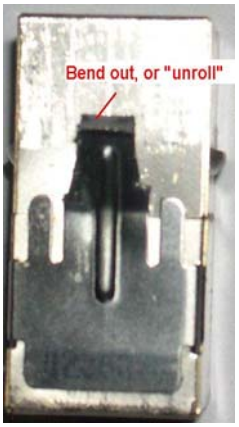

Fig. 7

7) Insert RJ-45 coupler into backpanel cutout, as shown in Fig 8 below.

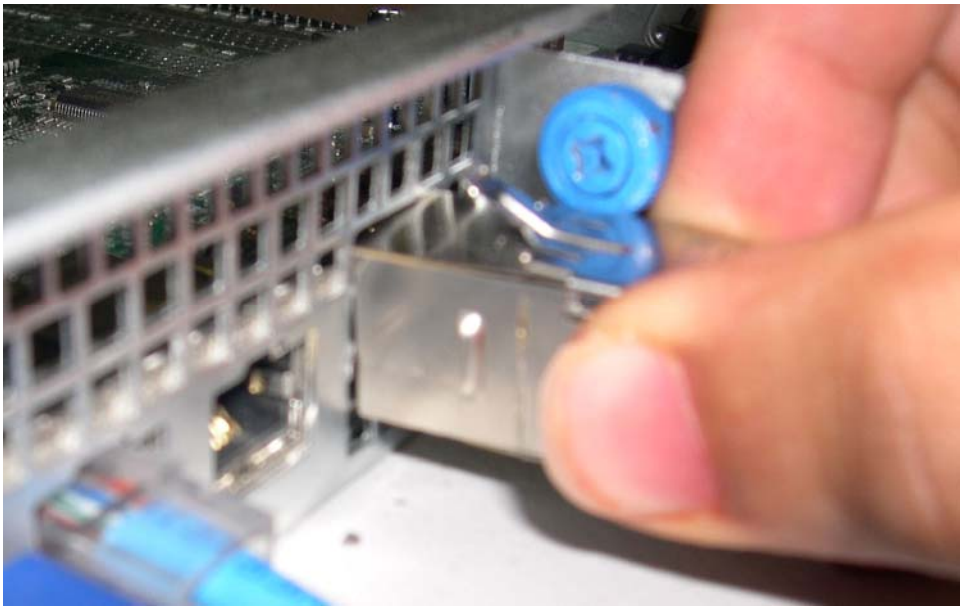

Fig. 8

8) Connect the CAT6 coupling cable to the “internal side” of the RJ-45 coupler as shown in Fig 9.

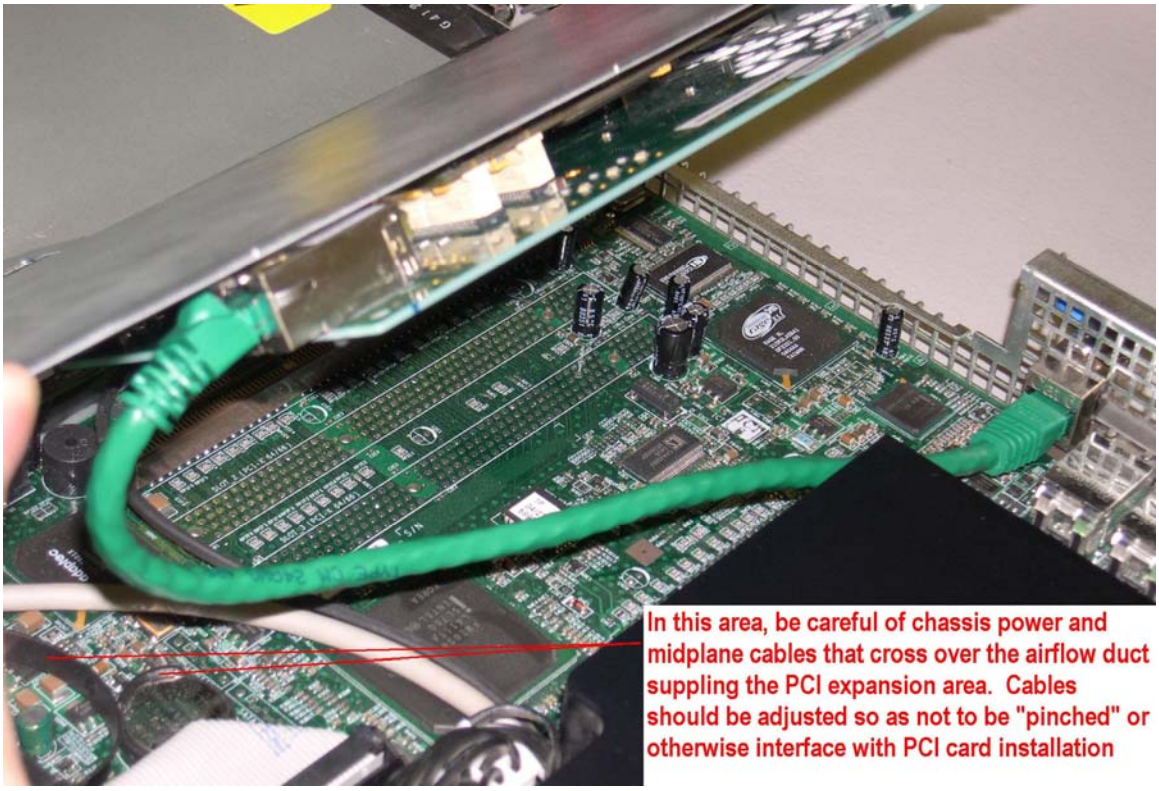
In this area, be careful of chassis power and midplane cables that cross over the airflow duct suppling the PCI expansion area. Cables should be adjusted so as not to be "pinched" or otherwise interface with PCI card installation

Fig. 9

9) Re-Insert PCI riser card into motherboard PCI slot, as shown in Fig 10.

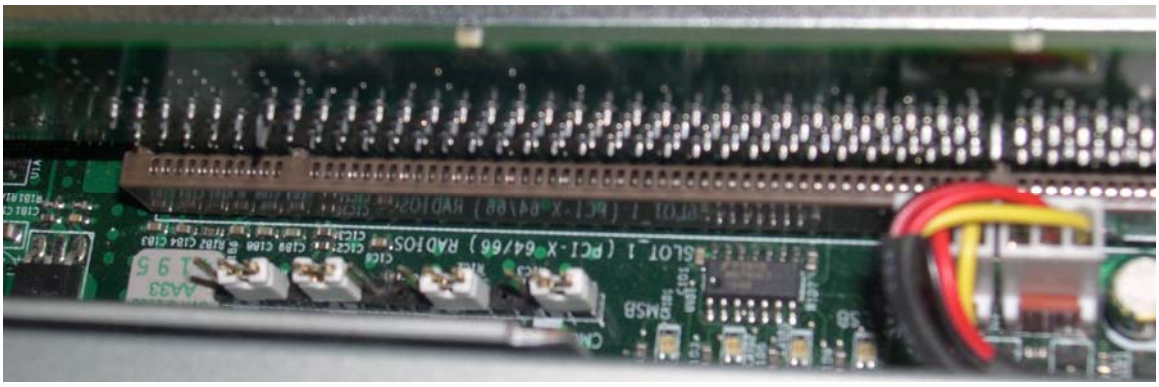

Fig. 10

10) Close the chassis cover then connect a standard CAT 6 network cable to “external side” of the RJ-45 coupler.

Fig. 11

Turn the power on as shown in Fig 12 below. Follow power-on test and verify instructions in the SigC5561 Reference Guide.

Fig. 12